ABSTRACT

The invention relates to a pressure transducer with a capillary tube filled with a fluid for high pressure measurements. This pressure transducer comprises a sensitive element formed with a bore defining a cylindrical sensitive chamber, and respective capillary tubes attached to either ends of the sensitive element in fluid communication with the sensitive chamber. Advantageously, each capillary tube has a respective end outside threaded to engage in a mating thread-way provided in the sensitive element; moreover, a perimeter weld is provided for safety around each capillary tube near the connection to the sensitive element.